

# Axial Lead and Cartridge Fuses

Designed to IEC Standard

## 5 x 20 mm Fast-Acting Fuse 216 Series



- Designed to International (IEC) Standards for use globally.
- Meets the IEC 60127-2, Sheet 1 specification for Fast Acting Fuses.
- Available in Cartridge and Axial Lead Form.
- Available in ratings of 0.050 to 10 amperes.
- High breaking capacity.

### ELECTRICAL CHARACTERISTICS:

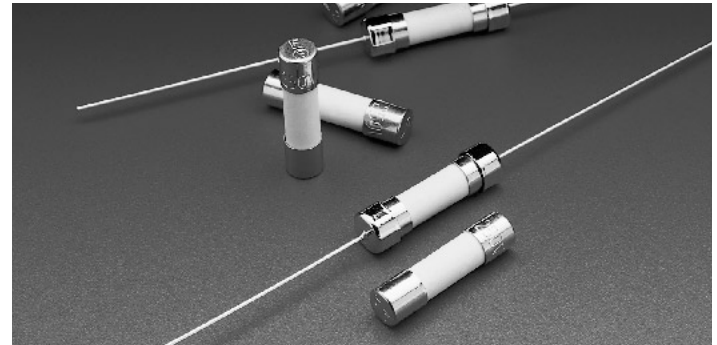
| % of Ampere Rating | Ampere Rating | Opening Time                                  |
|--------------------|---------------|-----------------------------------------------|
| 150%               | .05–6.3       | 60 minutes, <b>Minimum</b>                    |
|                    | 8–16          | 30 minutes, <b>Minimum</b>                    |
| 210%               | .05–16        | 30 minutes, <b>Maximum</b>                    |
| 275%               | .05–4         | 0.01 sec., <b>Min.</b> ; 2 sec. <b>Max.</b>   |
|                    | 5–6.3         | 0.01 sec., <b>Min.</b> ; 3 sec. <b>Max.</b>   |
|                    | 8–16          | 0.04 sec., <b>Min.</b> ; 20 sec. <b>Max.</b>  |
| 400%               | .05–6.3       | .003 sec., <b>Min.</b> ; 0.3 sec. <b>Max.</b> |
|                    | 8–16          | .01 sec., <b>Min.</b> ; 1.0 sec. <b>Max.</b>  |
| 1000%              | .05–6.3       | .02 seconds, <b>Maximum</b>                   |
|                    | 8–16          | .03 seconds, <b>Maximum</b>                   |

### INTERRUPTING RATING:

0.05 - 10A      1500A @ 250 VAC, 0.7-0.8 power factor

### ORDERING INFORMATION:

| Cartridge Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting Pt A° Sec. |
|--------------------------|---------------|----------------|------------------------------|----------------------------|
| 216.050                  | .050          | 250            | 15.900                       | 0.00019                    |
| 216.063                  | .063          | 250            | 10.450                       | 0.00054                    |
| 216.080                  | .080          | 250            | 7.885                        | 0.00084                    |
| 216.100                  | .100          | 250            | 5.793                        | 0.00450                    |
| 216.125                  | .125          | 250            | 3.675                        | 0.00545                    |
| 216.160                  | .160          | 250            | 5.349                        | 0.00576                    |
| 216.200                  | .200          | 250            | 3.350                        | 0.00438                    |
| 216.250                  | .250          | 250            | 2.350                        | 0.00891                    |
| 216.315                  | .315          | 250            | 1.850                        | 0.015                      |
| 216.400                  | .400          | 250            | 0.903                        | 0.036                      |
| 216.500                  | .500          | 250            | 0.847                        | 0.169                      |
| 216.630                  | .630          | 250            | 0.466                        | 0.179                      |
| 216.800                  | .800          | 250            | 0.295                        | 0.288                      |
| 216.001                  | 1             | 250            | 0.237                        | 0.180                      |
| 216.1.25                 | 1.25          | 250            | 0.153                        | 0.477                      |
| 216.01.6                 | 1.6           | 250            | 0.111                        | 1.008                      |
| 216.002                  | 2             | 250            | 0.076                        | 1.870                      |
| 216.02.5                 | 2.5           | 250            | 0.058                        | 2.697                      |
| 216.3.15                 | 3.15          | 250            | 0.037                        | 6.700                      |
| 216.004                  | 4             | 250            | 0.025                        | 14.996                     |
| 216.005                  | 5             | 250            | 0.018                        | 27.460                     |
| 216.06.3                 | 6.3           | 250            | 0.014                        | 56.429                     |
| 216.008                  | 8*            | 250            | 0.010                        | 64.316                     |
| 216.010                  | 10*           | 250            | 0.008                        | 154.339                    |



### ENVIRONMENTAL SPECIFICATIONS:

**Operating temperature:** -55°C to 125°C

**Thermal Shock:** MIL-STD-202F Method 107G, Test Condition B: (5 cycles -65°C to +125°C)

**Vibration:** MIL-STD-202F Method 201A

**Humidity:** MIL-STD-202F Method 103B, Test Condition A. high relative humidity (95%) and elevated temperature (40°C) for 240 hours.

**Salt Spray:** MIL-STD-202F Method 101D, Test Condition B

### PHYSICAL SPECIFICATIONS:

**Material:** Body: Ceramic

Cap: Nickel Plated Brass

Leads: Tin Plated Copper

Filler Sand (160mA – 10A)

**Terminal Strength:** MIL-STD-202F Method 211A, Test Condition A

**Solderability:** Reference IEC 60127 Second Edition 2003-01 Annex A

**Product Marking:** Cap 1: current and voltage rating.  
Cap 2: Agency approval markings.

**Packaging:** Available in Bulk (V=5, H=100, M=1000 pcs/pkg) or on Tape/Reel (MRET1=1000 pcs/reel).

11

AXIAL LEAD AND  
CARTRIDGE FUSES

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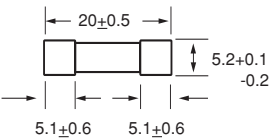
## 5 x 20 mm Fast-Acting Fuse 216 Series



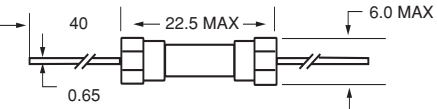
### Agency Approvals

| Agency Approvals                                                                    |                                                                                                                                     | Ampere Range              |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|    | Certificate No. Cartridge<br>NBK250702-E10480 A & C<br>NBK250702-E10480 E<br>Leaded<br>NBK250702-E10480 B & D<br>NBK250702-E10480 F | 1A – 10A                  |
|    | Certificate No. 2003010207079960<br>2002010207007594                                                                                | 50mA – 800mA<br>1A – 6.3A |
|    | Certificate No. SU05001-2013                                                                                                        | 1A – 10A                  |
|    | Recognised File No. E10480<br>Guide No. JDYX2                                                                                       | 50mA – 10A                |
|    | File No. 029862<br>Acc. Class No. LR1422-30                                                                                         |                           |
|    | Licence No. KM41462                                                                                                                 | 1A – 6.3A                 |
|   | File No. 9848103, 9931059<br>304518 & 304555                                                                                        | 32mA – 6.3A               |
|  |                                                                                                                                     | 50mA – 10A                |

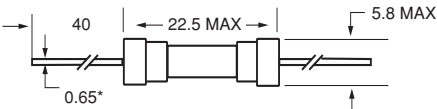
0216 000



0216.050 XE  
to  
0216.100 XE



0216001.XE  
to  
0216010.XE



All dimensions in mm

Notes:  
\* Ratings above 6.3A  
have 0.8 mm dia lead

### Average Time Current Curves

